

Amendments to the Claims:

Claims 11 through 18 and 21 through 28 have been amended herein. Please note that all claims currently pending and under consideration in the referenced application are shown below. Please enter these claims as amended. This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1-10 (Canceled)

11. (Currently Amended) An improved cathode substrate for a field emission display, comprising:
a substrate;
a cap layer disposed on said substrate;
an anti-reflective coating, with the anti-reflective coating being included within the cap layer and across an expanse of the cap layer to prevent reflection of light within the field emission display;
a conductive layer overlying said cap layer and anti-reflective coating; and
an array of emitter tips formed from said conductive layer on said cap layer with the anti-reflective coating within it.

12. (Currently Amended) An improved cathode substrate according to claim 11, wherein said substrate is a soda-lime glass.

13. (Currently Amended) An improved cathode substrate according to claim 11, wherein said cap layer is deposited on said substrate by plasma enhanced, chemical vapor deposition.

14. (Currently Amended) An improved cathode substrate according to claim 11, wherein said cap layer has a thickness in the range of 0.1 to 0.5 microns.

15. (Currently Amended) An improved cathode substrate according to claim 11, wherein said cap layer is selected from the group consisting of ~~silicon dioxide, silicon nitride,~~ silicon carbide, and diamond-like carbon.

16. (Currently Amended) An improved cathode substrate according to claim 11, wherein said substrate is plastics material.

17. (Currently Amended) An improved cathode substrate according to claim 11, wherein said substrate is a non-conductive material.

18. (Currently Amended) An improved cathode substrate according to claim 11, wherein said substrate is leached prior to deposition of said cap layer.

19. (Canceled)

20. (Canceled)

21. (Currently Amended) An improved cathode substrate for a field emission display formed by the steps of:
providing a substrate;
depositing a cap layer with an anti-reflective coating within it on the substrate, with the anti-reflective coating extending across an expanse of the cap layer; and
forming an array of emitter tips on the cap layer with the ~~antireflective~~ anti-reflective coating within it.

22. (Currently Amended) An improved cathode substrate according to claim 21, wherein said substrate is a soda-lime glass.

23. (Currently Amended) An improved cathode substrate according to claim 21, wherein said cap layer is deposited on said substrate by plasma enhanced, chemical vapor deposition.

24. (Currently Amended) An improved cathode substrate according to claim 21, wherein said cap layer has a thickness in the range of 0.1 to 0.5 microns.

25. (Currently Amended) An improved cathode substrate according to claim 21, wherein said cap layer is selected from the group consisting of silicon dioxide, silicon nitride, silicon carbide, and diamond-like carbon.

26. (Currently Amended) An improved cathode substrate according to claim 21, wherein said substrate is formed of a plastics material.

27. (Currently Amended) An improved cathode substrate according to claim 21, wherein said substrate is formed of a non-conductive material.

28. (Currently Amended) An improved cathode substrate according to claim 21, wherein said substrate is leached prior to deposition of said cap layer.

29. (Canceled)

30. (Canceled)

31. (Previously Presented) An improved cathode substrate for a field emission display, comprising:
a substrate;
a cap layer disposed on said substrate;
a light blocking layer, with the light blocking layer being included within the cap layer and across an expanse of the cap layer to absorb light incident thereon from within the field emission

display; and
an array of emitter tips formed on said cap layer with the light blocking layer.

32. (Previously Presented) An improved cathode substrate according to claim 31, wherein said substrate is a soda-lime glass.

33. (Previously Presented) An improved cathode substrate according to claim 31, wherein said cap layer is deposited on said substrate by plasma enhanced, chemical vapor deposition.

34. (Previously Presented) An improved cathode substrate according to claim 31, wherein said cap layer has a thickness in the range of 0.1 to 0.5 microns.

35. (Previously Presented) An improved cathode substrate according to claim 31, wherein said cap layer is selected from the group consisting of silicon dioxide, silicon nitride, silicon carbide, and diamond-like carbon.

36. (Previously Presented) An improved cathode substrate according to claim 31, wherein said substrate is plastics material.

37. (Previously Presented) An improved cathode substrate according to claim 31, wherein said substrate is a non-conductive material.

38. (Previously Presented) An improved cathode substrate according to claim 31, wherein said substrate is leached prior to deposition of said cap layer.

39. (Previously Presented) An improved cathode substrate for a field emission display formed by the steps of:
providing a substrate;
depositing a cap layer with a light blocking layer within it on the substrate with the light blocking

layer extending across an expanse of the cap layer; and
forming an array of emitter tips on the cap layer with the light blocking layer within it.

40. (Previously Presented) An improved cathode substrate according to claim 39, wherein said substrate is a soda-lime glass.

41. (Previously Presented) An improved cathode substrate according to claim 39, wherein said cap layer is deposited on said substrate by plasma enhanced, chemical vapor depositions.

42. (Previously Presented) An improved cathode substrate according to claim 39, wherein said cap layer has a thickness in the range of 0.1 to 0.5 microns.

43. (Previously Presented) An improved cathode substrate according to claim 39, wherein said cap layer is selected from the group consisting of silicon dioxide, silicon nitride, silicon carbide, and diamond-like carbon.

44. (Previously Presented) An improved cathode substrate according to claim 39, wherein said substrate is plastics material.

45. (Previously Presented) An improved cathode substrate according to claim 39, wherein said substrate is a non-conductive material.

46. (Previously Presented) An improved cathode substrate according to claim 39, wherein said substrate is leached prior to deposition of said cap layer.